

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"20050284573"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/11 19:12
S2	11	("4793961" "4447732" "5198677" "6094012" "5945677").pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 08:49
S3	336	(ion near2 (implant\$3 source\$2)) near5 orient\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 09:29
S4	253	(ion near2 (implant\$3 source\$2)) near5 orient\$5	US-PGPUB; USPAT	OR	ON	2006/07/12 08:55
S5	95	S4 and ("250"/\$.ocls. "315"/\$.ocls.)	US-PGPUB; USPAT	OR	ON	2006/07/12 09:30
S6	71	S5 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/18 13:01
S7	2	((plasma near4 ion\$2) near2 (implant \$3 source\$2)) near5 orient\$5	US-PGPUB; USPAT	OR	ON	2006/07/12 09:29
S8	1	"5036252".pn.	US-PGPUB; USPAT	OR	ON	2006/07/12 09:08
S9	121494	(ion near2 (implant\$3 source\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 09:29
S10	3356	((plasma near4 ion\$2) near2 (implant \$3 source\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 11:20
S11	1098	S10 and ("250"/\$.ocls. "315"/\$.ocls.)	US-PGPUB; USPAT	OR	ON	2006/07/12 09:30
S12	938	S11 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/07/12 10:49
S13	75	S12 and (chamber near7 top)	US-PGPUB; USPAT	OR	ON	2006/07/12 10:32
S14	128	S10 and (orient\$5 near6 vertical\$3)	US-PGPUB; USPAT	OR	ON	2006/07/12 11:22
S15	99	S14 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/07/12 12:57
S16	88	S15 not S13	US-PGPUB; USPAT	OR	ON	2006/07/12 11:17
S17	1	"6967334".pn.	US-PGPUB; USPAT	OR	ON	2006/07/12 11:17
S18	2	("4926056"   "6238582").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/07/12 11:18

S19	54	(masayasu near2 suzuki).in.	US-PGPUB; USPAT	OR	ON	2006/07/12 11:18
S20	19	S19 and ion\$2	US-PGPUB; USPAT	OR	ON	2006/07/12 11:18
S21	5661	((plasma near4 ion\$2) near2 (generat \$3 source\$2 gun))	US-PGPUB; USPAT	OR	ON	2006/07/12 11:21
S22	1097	S21 and (118/715-733.ccls. 156/345. \$2.ccls.)	US-PGPUB; USPAT	OR	ON	2006/07/12 11:21
S23	62	S22 and (orient\$5 near6 vertical\$3)	US-PGPUB; USPAT	OR	ON	2006/07/12 11:27
S24	21	S22 and (fac\$3 near4 downward\$2)	US-PGPUB; USPAT	OR	ON	2006/07/12 11:27
S25	5980	(ion near implant\$5) near4 deposit\$4	US-PGPUB; USPAT	OR	ON	2006/07/12 12:49
S26	1	S25 and ((substrate wafer object) near4 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 12:51
S27	1317	Plasma near3 (ion adj source)	US-PGPUB; USPAT	OR	ON	2006/07/12 12:54
S28	4	S27 and ((substrate wafer object) near4 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 12:51
S29	9628	(ion near3 implant\$5) and ((substrate wafer object target) near5 (fac\$3 downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 12:56
S30	7852	(ion near3 implant\$5) and ((substrate wafer object target) near3 (fac\$3 downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 12:55
S31	7384	(ion adj implant\$5) and ((substrate wafer object target) near3 (fac\$3 downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 12:56
S32	3668	S31 and plasma	US-PGPUB; USPAT	OR	ON	2006/07/12 12:56
S33	141	(ion near3 implant\$5) and ((substrate wafer object target) near5 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 13:12
S34	121	S33 and @ad< "20031106"	US-PGPUB; USPAT	OR	ON	2006/07/12 13:37
S35	97	S34 and plasma	US-PGPUB; USPAT	OR	ON	2006/07/12 12:57
S36	97	S35 not S23	US-PGPUB; USPAT	OR	ON	2006/07/12 12:57
S37	16	(ion near5 implant\$5 near6 source) and ((substrate wafer object target) near5 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 13:01
S38	0	(ion near3 implant\$5) same ((substrate wafer object target) near5 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 13:12
S39	3	(ion near3 source) same ((substrate wafer object target) near5 (fac\$3 adj downward\$2))	US-PGPUB; USPAT	OR	ON	2006/07/12 13:12
S40	3	"6504294".pn.	US-PGPUB; USPAT; USOOR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 13:35

S41	1662	((workpiece substrate wafer object near3 (fac\$3 adj downward\$2))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 13:37
S42	164	S41 and (ion near3 (source beam implant\$5))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 13:37
S43	145	S42 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2006/07/12 13:38
S44	105	S43 and plasma	US-PGPUB; USPAT	OR	ON	2006/07/12 13:38
S45	6	"5883391".pn. "5920076".pn. "5977552".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/07/12 16:17
S46	70	(extraction adj electrode\$2) same cool \$3	US-PGPUB; USPAT	OR	ON	2006/07/12 16:19
S47	9	(extraction adj electrode\$2) near7 cool \$3	US-PGPUB; USPAT	OR	ON	2006/07/12 17:14
S48	22	(extraction adj electrode\$2) near7 pump\$3	US-PGPUB; USPAT	OR	ON	2006/07/12 17:44
S49	1	"3961103".pn.	US-PGPUB; USPAT	OR	ON	2006/07/12 17:44
S50	2	"20050098742"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:16
S51	1924	(applied materials).as. and implant\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 11:17
S52	1208	(applied materials).as. and implant\$5	US-PGPUB; USPAT	OR	ON	2007/01/17 11:17
S53	79	S52 and (plasma same extract\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 11:31
S54	62	S53 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 11:46
S55	0	S52 and ((extract\$4 with (chamber near4 top)) and ((substrate wafer) with down\$6))	US-PGPUB; USPAT	OR	ON	2007/01/17 11:45
S56	0	(ion near4 implant\$5) and ((extract\$4 with (chamber near4 top)) and ((substrate wafer) with down\$6))	US-PGPUB; USPAT	OR	ON	2007/01/17 11:58
S57	23	(ion near4 implant\$5) and (extract\$4 with (chamber near4 top))	US-PGPUB; USPAT	OR	ON	2007/01/17 11:46
S58	20	S57 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 12:13

S59	12	((ion near4 implant\$5) and (extract\$4 with (chamber near4 top)) and ((substrate wafer) with (up down\$6 top)))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:00
S60	2	((ion near4 (source generat\$3)) and (extract\$4 with (chamber near4 top)) and ((substrate wafer) with (up down\$6 top)))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:01
S61	2	((ion\$2 near4 (extract\$4 with (chamber near4 top))) and ((substrate wafer) with (up down\$6 top)))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:02
S62	0	S62 and (extract\$4 with (chamber near4 top)) and ((substrate wafer) with (up down\$6 top))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:03
S63	0	S62 and (extract\$4 with (chamber near4 top)) and (substrate wafer)	US-PGPUB; USPAT	OR	ON	2007/01/17 12:10
S64	0	S61 and (extract\$4 with (chamber near4 top)) and (substrate wafer)	US-PGPUB; USPAT	OR	ON	2007/01/17 12:05
S65	2225	250/396R,489.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/17 12:09
S66	4	S62 and (extract\$4 near6 top) and (substrate wafer)	US-PGPUB; USPAT	OR	ON	2007/01/17 12:11
S67	3	S65 and ((extract\$4 near6 top) and (substrate wafer))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:13
S68	70	S65 and (extract\$4 same (substrate wafer))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:24
S69	55	S68 and @ad< "20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 12:43
S70	2580	204/192.11,192.12,192.34.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/17 12:24
S71	9	S70 and ((extract\$4 same (substrate wafer) with down\$5))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:37
S72	38	ion\$2 same extract\$5) same ((wafer substrate) with (down downward\$2))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:27
S73	28	S72 and @ad< "20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 12:28
S74	0	S70 and ((extract\$4 same (substrate wafer)) with (fac\$3 near4 (down\$5 down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:38
S75	0	S70 and ((extract\$4 same (substrate wafer)) with (surface near6 (down\$5 down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:39
S76	23440	118/715-733.ccls. 156/345 \$2.ccls. 204/192 \$2.ccls. 250/396-492 \$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/17 12:40
S77	0	S76 and ((ion\$2 and (extract\$4 same (substrate wafer))) with (surface near6 (down\$5 down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:03
S78	33	S76 and (ion\$2 and (substrate wafer)) with (surface near6 (down\$5 down))	US-PGPUB; USPAT	OR	ON	2007/01/17 12:43
S79	32	S78 and @ad< "20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:02

S80	33	S76 and S10X	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/17 13:17
S81	28	S80 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 15:08
S82	1	S76 and ((extract\$4 same (substrate wafer)) with (surface near6 (down\$5 down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:05
S83	51194	ion near2 (source\$2 shower\$2 generat\$3)	US-PGPUB; USPAT	OR	ON	2007/01/17 15:05
S84	52691	ion\$2 near2 (source\$2 shower\$2 generat\$3)	US-PGPUB; USPAT	OR	ON	2007/01/17 15:06
S85	1687	S84 and ((extract\$4 near3 electrode \$2) and ((wafer substrate) with (upside down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:43
S86	121	S84 and ((extract\$4 near3 electrode \$2) and ((wafer substrate) with (upside down)))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:08
S87	93	S86 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 15:57
S88	15013	S84 and ((extract\$4 near3 electrode \$2) and (vertical\$3 orient\$5))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:43
S89	974	S84 and ((extract\$4 near3 electrode \$2) and (vertical\$3 orient\$5))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:44
S90	40	S84 and ((extract\$4 near3 electrode \$2) and (vertical\$3 near4 orient\$5))	US-PGPUB; USPAT	OR	ON	2007/01/17 15:57
S91	24	S90 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 17:45
S92	866	S84 and (vertical\$3 near4 orient\$5)	US-PGPUB; USPAT	OR	ON	2007/01/17 17:44
S93	683	S92 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 16:18
S94	236	S84 and ((vertical\$3 near4 orient\$5) and extract\$4)	US-PGPUB; USPAT	OR	ON	2007/01/17 16:20
S95	180	S94 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 16:20
S96	119	S84 and (((beam near2 axis) with (vertical\$3 orient\$5)) and extract\$5)	US-PGPUB; USPAT	OR	ON	2007/01/17 17:59
S97	77	S96 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 17:45
S98	70	S97 not S95	US-PGPUB; USPAT	OR	ON	2007/01/17 17:46
S99	47	((ion\$2 near3 (source\$2 generat\$4 shower\$2)) and ((beam near2 axis) with (vertical\$3 orient\$5)) and (extract \$5) and ((substrate wafer) near6 (up \$5 above))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:10
S100	25	S99 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:11

SI01	2	((ion\$2 near3 implant\$5) and ((beam near2 axis) with (vertical\$3 near3 orient\$5)) and (extract\$5) and ((substrate wafer) near6 (up\$5 above)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:09
SI02	17	((ion\$2 near3 (source\$2 generat\$4 shower\$2)) and ((beam near2 axis) near7 vertical\$3) and (extract\$5) and ((substrate wafer) near6 (up\$5 above)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:11
SI03	20	((ion\$2 near3 (implant\$4 source\$2 generat\$4 shower\$2)) and ((beam near2 axis) near7 vertical\$3) and (extract\$5) and ((substrate wafer) near6 (up\$5 above)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:13
SI04	11	SI03 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:14
SI05	15	((ion\$2 near3 (implant\$4 source\$2 generat\$4 shower\$2)) and ((beam near2 axis) near7 vertical\$3) and (extract\$5) and ((substrate wafer) near6 (down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:21
SI06	10	SI05 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:22
SI07	40	((ion\$2 particle\$2) and ((beam near2 axis) near7 vertical\$3) and (extract\$5) and ((substrate wafer) near6 (up\$5 above down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:35
SI08	23	SI07 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:34
SI09	1436	250/492.3.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/17 18:34
SI10	1138	SI09 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:44
SI11	203	((beam near2 axis) near7 (perpendicular\$4 vertical\$3)) and (extract\$5) and ((substrate wafer) near6 (up\$5 above down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:41
SI12	143	SI11 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 18:39
SI13	533	((beam near2 axis) near7 (perpendicular\$4 vertical\$3)) and (extract\$5) and ((sample object substrate wafer) near6 (up\$5 above down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:38
SI14	25	SI09 and ((beam near2 axis) near7 (perpendicular\$4 vertical\$3)) and (extract\$5) and ((sample object substrate wafer) near6 (up\$5 above down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:38
SI15	10	SI14 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 19:04
SI16	4	SI10 and ((beam near2 axis) near7 (perpendicular\$4 vertical\$3)) and (extract\$5) and ((substrate wafer) near6 (up\$5 above down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:42

SI17	10	SI10 and ((beam near2 axis) near7 (perpendicular\$4 vertical\$3)) and (extract\$5) and ((substrate wafer object sample) near6 (up\$5 above down\$5 towards))	US-PGPUB; USPAT	OR	ON	2007/01/17 18:43
SI18	36	("3347701"   "3437734"   "3458368"   "3516855").PN. OR ("3908183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 18:51
SI19	36	("3347701"   "3437734"   "3458368"   "3516855").PN. OR ("3908183").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 19:03
SI20	298	SI10 and implant\$5	US-PGPUB; USPAT; USOCR	OR	ON	2007/01/17 19:04
SI21	298	SI20 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/17 19:04
SI22	1436	250/492.3.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/18 13:01
SI23	1138	SI22 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/18 13:29
SI24	121	SI23 and (implant\$5 and plasma)	US-PGPUB; USPAT	OR	ON	2007/01/18 13:13
SI25	112	SI23 and (extract\$5 and plasma)	US-PGPUB; USPAT	OR	ON	2007/01/18 13:27
SI26	23457	118/715-733.ccls. 156/345.\$2.ccls. 204/192.\$2.ccls. 250/396-492.\$2.ccls.	US-PGPUB; USPAT	OR	ON	2007/01/18 13:28
SI27	641	SI26 and ((substrate wafer object sample) with orient\$5 with (vertical\$4 horizontal\$4 tilt\$3 inclin\$3))	US-PGPUB; USPAT	OR	ON	2007/01/18 13:29
SI28	72	SI26 and ((substrate wafer object sample) with orient\$5 with (vertical\$4 horizontal\$4 tilt\$3 inclin\$3)) and extract\$4	US-PGPUB; USPAT	OR	ON	2007/01/18 13:29
SI29	60	SI28 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/18 18:13
SI30	2	"20050098742"	US-PGPUB; USPAT; USOCR; EPC; JPO; DERWENT; IBM_TDB	OR	ON	2007/01/18 17:55
SI31	54	(US-20030197129-\$ or US-20020014587-\$ or US-20030217474-\$ or US-20030085663-\$ or US-20010038079-\$ or US-20030132397-\$ or US-20040007678-\$ or US-20040079289-\$ or US-20030116090-\$ or US-20030013280-\$ or US-20040140432-\$ or US-20030127592-\$ or US-20030079688-\$ or US-20040040506-\$).did. or (US-7064049-\$ or US-6545419-\$ or US-6858450-\$ or US-6744214-\$ or US-6933507-\$ or US-6841789-\$ or US-6797967-\$ or US-5563418-\$ or US-5420437-\$ or US-5022977-\$ or US-3908183-\$ or US-4361762-\$ or US-4227961-\$ or US-4140546-\$ or US-4120700-\$ or US-3437734-\$ or US-4825087-\$ or US-4661710-\$ or US-3999097-\$ or US-5036252-\$ or US-7011866-\$ or US-	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/18 17:59

		6514348-\$ or US-6710360-\$ or US-6617587-\$ or US-7107929-\$ or US-6753539-\$).did. or (US-5254830-\$ or US-5124557-\$ or US-6716727-\$ or US-4453078-\$ or US-6077569-\$ or US-5679413-\$ or US-5508368-\$ or US-4736107-\$ or US-4700077-\$ or US-4672210-\$ or US-6331713-\$ or US-5825038-\$).did. or (US-3347701-\$).did. or (US-20050098742-\$).did.				
S132	1	S131 and (extract\$4 with (hole\$2 aperture\$2 opening\$2) with (pump\$3 pressure))	US-PGPUB; USPAT; USOCR; DERWENT	OR	ON	2007/01/18 18:04
S133	23	S126 and (extract\$4 with (hole\$2 aperture\$2 opening\$2) with (pump\$3 pressure))	US-PGPUB; USPAT	OR	ON	2007/01/18 18:12
S134	17	S133 and @adc-"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/18 18:05
S135	114	((ion\$2 same ((extract\$4 with (hole\$2 aperture\$2 opening\$2)) with (pump\$3 pressure)))	US-PGPUB; USPAT	OR	ON	2007/01/18 18:13
S136	85	S135 and @adc-"20031106"	US-PGPUB; USPAT	OR	ON	2007/01/18 18:21
S137	1	"3961103".pn.	US-PGPUB; USPAT	OR	ON	2007/01/18 18:21
S138	1817	((plasma ion\$2) near4 (source\$2 generator\$2)) and extract\$4 and ((substrate wafer workpiece object) near5 (down\$5 towards))	US-PGPUB; USPAT	OR	ON	2007/11/12 20:40
S139	376	((plasma ion\$2) near4 (source\$2 generator\$2)) and (extract\$4 same ((substrate wafer workpiece object) near5 (down\$5 towards)))	US-PGPUB; USPAT	OR	ON	2007/11/12 20:41
S140	300	S139 and @adc-"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/12 20:41
S141	76	S140 and "250"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/11/12 22:11
S142	67	S140 and (118/715-733.ccls. 156/345. \$2.ccls.)	US-PGPUB; USPAT	OR	ON	2007/11/12 22:32
S143	64	S142 not S141	US-PGPUB; USPAT	OR	ON	2007/11/12 22:30
S144	32	S143 and implant\$5	US-PGPUB; USPAT	OR	ON	2007/11/12 22:30
S145	136	S140 and ("204"/\$.ccls. 315/111.\$2. ccls. "42"/\$.ccls. "438"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/11/12 22:34
S146	159	S140 and ("204"/\$.ccls. 315/111.\$2. ccls. "427"/\$.ccls. "438"/\$.ccls.)	US-PGPUB; USPAT	OR	ON	2007/11/12 22:34
S147	878	(Extract\$4 near4 electrode\$2) with (chamber reactor housing)	US-PGPUB; USPAT	OR	ON	2007/11/13 14:39
S148	886	(Extract\$4 near4 electrode\$2) with (chamber reactor housing)	US-PGPUB; USPAT	OR	ON	2007/11/13 14:39
S149	69	S148 and "204"/\$.ccls.	US-PGPUB; USPAT	OR	ON	2007/11/13 14:40
S150	63	S149 and @adc-"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/13 16:41



SI51	7	("20010047760"   "5218210"   "5846883"   "6488807"   "6552295"   "6768120"   "6936144").PN.	US-PGPUB; USPAT	OR	ON	2007/11/13 16:02
SI52	0	"4676194.pn.."	US-PGPUB; USPAT	OR	ON	2007/11/13 16:02
SI53	1	"4676194".pn.	US-PGPUB; USPAT	OR	ON	2007/11/13 16:02
SI54	15	("4152478").PN. OR ("4676194").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:40
SI55	1274	204/192.1.ccls. 204/298.01,298.02.ccls.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 16:40
SI56	782	SI55 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/13 16:46
SI57	1	SI56 and ((chamber with extract\$4) and ((substrate wafer workpiece object) near6 down\$5))	US-PGPUB; USPAT	OR	ON	2007/11/13 18:03
SI58	13	SI56 and (chamber with extract\$4)	US-PGPUB; USPAT	OR	ON	2007/11/13 16:46
SI59	166	"438"/\$ and implant\$5 and (chamber with extract\$4)	US-PGPUB; USPAT	OR	ON	2007/11/13 16:46
SI60	112	SI59 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/13 17:01
SI61	330	((implant\$5 same (ion\$2 near4 (source generator shower)) same (extract\$4 near7 (chamber reactor housing))))	US-PGPUB; USPAT	OR	ON	2007/11/13 17:00
SI62	208	SI61 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/13 18:00
SI63	122	("3117022"   "3294583"   "3297465"   "3303319"   "3494852"   "3534385"   "3751310").PN. OR ("3961103").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/13 17:59
SI64	110	SI63 and @ad<"20031106"	US-PGPUB; USPAT	OR	ON	2007/11/13 18:00
SI65	8	SI64 and (extract\$4 with (pressure vacuum))	US-PGPUB; USPAT	OR	ON	2007/11/13 18:03
SI66	13	SI56 and (extract\$4 with (pressure vacuum))	US-PGPUB; USPAT	OR	ON	2007/11/13 18:05
SI67	2	SI56 and ((extract\$4 near4 (electrode \$2 assembly)) with (pressure vacuum))	US-PGPUB; USPAT	OR	ON	2007/11/13 18:05
SI68	1031	((ion\$2 implant\$5) same (extract\$4 near7 pressure))	US-PGPUB; USPAT	OR	ON	2008/05/13 14:41
SI69	772	SI68 and @ad<"20040121"	US-PGPUB; USPAT	OR	ON	2008/05/13 14:41
SI70	129	SI69 and ("204"/\$ ccls. "250"/\$ ccls.)	US-PGPUB; USPAT	OR	ON	2008/05/13 14:46
SI71	39	((ion\$2 implant\$5) same (extract\$4 near7 (hole\$2 aperture\$2 opening\$2) near7 pressure))	US-PGPUB; USPAT	OR	ON	2008/05/13 14:46
SI72	20	SI71 and @ad<"20040121"	US-PGPUB; USPAT	OR	ON	2008/05/13 14:47
SI73	3	((ion\$2 implant\$5) same ((extract\$4 near4 assembly) with (hole\$2 aperture \$2 opening\$2) with pressure))	US-PGPUB; USPAT	OR	ON	2008/05/13 14:52

SI74	32	((ion\$2 implant\$5) same ((extract\$4 near4 electrode\$2) with (hole\$2 aperture\$2 opening\$2) with pressure)	US-PGPUB; USPAT	OR	ON	2008/05/13 14:54
SI75	27	SI74 and @ad<"20040121"	US-PGPUB; USPAT	OR	ON	2008/05/13 14:54
SI76	553	((ion\$2 implant\$5) same ((hole\$2 aperture\$2 opening\$2) near6 (offset offline misalign\$3))	US-PGPUB; USPAT	OR	ON	2008/05/13 15:18
SI77	142	((ion\$2 implant\$5) and ((extract\$4 electrostatic\$4) same ((hole\$2 aperture\$2 opening\$2) near6 (offset offline misalign\$3)))	US-PGPUB; USPAT	OR	ON	2008/05/13 15:19
SI78	89	SI77 and @ad<"20040121"	US-PGPUB; USPAT	OR	ON	2008/05/13 15:19
SI79	87	((ion\$2 implant\$5) same ((hole\$2 aperture\$2 opening\$2) near6 (offset offline misalign\$3))) .clm.	US-PGPUB; USPAT	OR	ON	2008/05/16 10:12
SI80	73	118/723CB.ccls.	US-PGPUB; USPAT	OR	ON	2008/05/16 11:30
SI81	143	((ion\$2 implant\$5) and ((extract\$4 electrostatic\$4) same ((hole\$2 aperture\$2 opening\$2) near6 (offset offline misalign\$3)))	US-PGPUB; USPAT	OR	ON	2008/05/16 11:34
SI82	89	SI81 and @ad<"20040121"	US-PGPUB; USPAT	OR	ON	2008/05/16 11:34
SI83	1	SI80 and SI82	US-PGPUB; USPAT	OR	ON	2008/05/16 11:34

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